



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management

Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Forsyth PERMIT NO.: 34-12 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDFL	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: April 22, 2010**Date of Last Audit:** October 16, 2009**FACILITY NAME AND ADDRESS:**

Old Salisbury Road Landfill Construction and Demolition Landfill Facility
3336 Old Salisbury Road
Winston-Salem, NC 27127

GPS COORDINATES: **N:** 36.00093 **E:** -80.27773**FACILITY CONTACT NAME AND PHONE NUMBER:**

Jan McHargue, Solid Waste Administrator
w. 336-747-7310
f. 336-727-8432
janm@cityofws.org

FACILITY CONTACT ADDRESS:

City/County Utilities
Jan McHargue, Solid Waste Administrator
PO Box 2511
Winston-Salem, NC 27102

AUDIT PARTICIPANTS:

John Patrone, NCDENR – Solid Waste Section (SWS)
Jimmy Lineberry, Senior Crew Coordinator (c. 336-345-6451, scale house. 336-650-7659)

STATUS OF PERMIT:

Permit To Operate (PTO) Phase IV – VI and vertical expansion (of Phase IV – VI), issued November 20, 2009
Permit To Construct (PTC) vertical expansion of Phase IV – VI, issued in conjunction with PTO
PTO expires November 20, 2014

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION(S):

None

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. For the violation(s) noted here, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

STATUS OF PAST NOTED VIOLATION(S):

None

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AREAS OF CONCERN AND COMMENTS:

On April 22, 2010, John Patrone met with Jimmy Lineberry to conduct a comprehensive audit of the Old Salisbury Road Landfill Construction and Demolition Landfill Facility in Winston-Salem, Forsyth County.

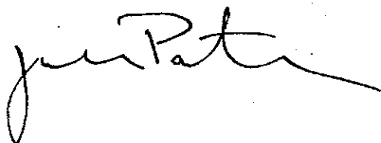
1. Attachment 2, "Conditions of Permit to Construct, Part I: Facility Specific Conditions" Permit Condition 5 has been met prior to the operation of Phase VI. The PTO for Phase VI was issued November 20, 2010, the Construction Quality Assurance (CQA) documentation and certification by project engineer was approved by John Murray, Environmental Engineer (per email dated October 19, 2009), an on-site meeting was conducted with SWS (Mr. Patrone) and facility personnel on October 16, 2009, and edge of waste markers have been installed.
2. Construction and Demolition (C&D) Debris is currently being accepted into Phase VI. Mr. Lineberry stated that the landfill generally operates a working face ~ 75' x 75' and, at current throughput, has ~ 7 years capacity left.
3. The facility is permitted to receive waste from Forsyth County.
4. The facility site plan and operations plan were discussed.
5. The facility is permitted to receive C&D solid waste, inert debris, land clearing waste, asphalt, and regulated asbestos containing material.
6. The facility maintains daily, monthly, and annual records of the amount of material received. The amount of material received from July 2009 through March 2010 is 32,570.16 tons. Facility throughput for July 2008 through June 2009 is 59,136.73 tons.
7. The following are facility certified personnel:
 - a. Jimmy Lineberry, Certified Landfill Operations Specialist, No. LF-2004024, exp. 08/31/10, training course taken March 22, 2010 – awaiting certificate
 - b. Gray Fultz, Certified Landfill Operations Specialist, No. LF-2008011, exp. 02/08/11
8. The facility maintains waste screening reports. Waste screening reports for January through April 20, 2010 were verified. The facility conducts ~ 3 waste screenings a day.
9. The facility's Fiscal Year 2009 Local Government Financial Assurance Test, totaling \$10,462,413.00 was approved by the SWS via letter dated February 16, 2010.
10. Erosion and sedimentation certificate of plan approval for Phase IV – VI issued, with modification, on August 22, 2002.
11. The facility maintains semiannual groundwater monitoring test records. Records for groundwater tests conducted on September 22 – 24, 2009 and November 13, 2009 were verified. Exceedance of the Solid Waste Section Limits (SWSL) for barium and chromium and of the 2L standards for lead was noted.
12. The facility maintains quarterly methane monitoring records. Methane monitoring records for 1st quarter 2010, conducted on February 20, 2010, were verified. Monitoring results were 0.00 percent methane. The facility will conduct 2nd quarter 2010 methane monitoring in May 2010. Methane monitoring is conducted at 14 monitoring points and in the scale house. Methane monitoring should be conducted as per standard operating procedure (SOP), to include calibration of the methane monitoring device.
13. The facility uses white marker posts to designate edge of waste of the non-active phases, Phases II – V. On April 26, 2010, Mr. Lineberry stated (via voicemail message) that edge of waste markers on Phase IV have been completed. The facility uses red flagged marker posts in the active phase, Phase VI, to designate edge of waste. Edge of waste markers will be installed on Phase I during summer 2010. Mr. Lineberry stated that edge of waste markers are installed three feet out from the toe of the slope. Phases I – III have two feet of soil cover on the slope and Phases IV – VI have/will have three feet of soil cover on the slope. The facility should develop or obtain a statement or illustration that document the distance of the markers from the edge of waste for each phase.
14. The landfill cap, side slope, and ground cover appeared adequate. However, soil cover needs to be re-stabilized on areas of the side slope of Phase IV that have experienced minor erosion. The stormwater channel between Phase III and IV is in need of additional riprap. On April 26, 2010, Mr. Lineberry stated (via voicemail message) that riprap will be added to the stormwater channel during the week.
15. Water monitoring wells were observed. The wells were locked, labeled, and contained a cement pad.
16. In case of fire the local fire department will be called to respond and, if possible, landfill personnel will cover the fire with soil.

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- 17. No windblown material was observed.
- 18. The facility is aware that wooden pallets received for disposal must be associated with construction or demolition activities.
- 19. The facility has proper signage.
- 20. The facility is secured by a locked gate.

Please contact me if you have any questions or concerns regarding this audit report.



Phone: 336-771-5095 Fax: 336-771-4631

John Patrone
Environmental Senior Specialist
Regional Representative

Delivered on : <u>April 27, 2010</u> by		Hand delivery	X	US Mail		Certified No. <u> </u>
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cc: Mark Poindexter, Field Operations Branch Supervisor
Jason Watkins, Central Regional Supervisor
Donald Herndon, Compliance Officer
Jackie Drummond, Compliance Hydrogeologist